



Water management in Ontario

Ontario
Water Resources
Commission

Water Resources
Bulletin 3—1
Surface water series

Selected streamflow data for Ontario

October 1965

to

September 1966

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ONTARIO WATER RESOURCES COMMISSION

SELECTED STREAMFLOW DATA

FOR ONTARIO

October 1965 to September 1966

Compiled by

The Hydrologic Data Branch

Water Resources Bulletin 3-1

Surface Water Series

Division of Water Resources

Toronto

1969

PREFACE

This bulletin contains an index of streamflow stations operated by the Division of Water Resources during the period of October 1965 to September 1966; the data collected; and lists of basins in which measurements were taken during 1963 and 1964.

The data supplement that contained in "Surface Water Data" published by the Water Survey of Canada, Department of Energy, Mines and Resources. Streamflow data collected by the River Basin Research Branch for Representative River Basin studies are not included, they will be published with reports on the basins.

Enquiries concerning the data contained herein should be made to the Supervisor of the Hydrologic Data Branch.

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BLACK CREEK NEAR ACTON

Location: At the township road bridge on concession V about
1 mile southeast of the Town of Acton.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Nov.16	9.35	Jan. 3	4.93			July 6	3.52
Dec.21	5.05	Mar. 1	17.88			Aug.18	2.31
		Mar.18	13.70			Sep.16	1.17
		Mar.22	10.40				

BOW LAKE AT HWY. 28

Location: At the Bow Lake bridge crossing on Hwy. 28 about
5.5 miles west of the Village of Bancroft.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				July 6	2.85	Aug.18	1.15
				July 8	2.92		
				July 12	2.39		
				July 19	1.70		

BUCKLES CREEK AT HWY. 108

Location: At the bridge on Hwy. 108 about 2.5 miles south of Elliot Lake Townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 14	3.44	Aug. 5	1.57
				June 21	6.88	Aug. 15	3.58
						Aug. 26	2.54
						Sep. 1	2.45
						Sep. 28	2.19

BUD LAKE WEST OF HWY. 108

Location: At the bridge over the stream between Bud Lake and Serpent River on Hwy. 108 about 8 miles north of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 16	17.42	Aug. 12	4.01
				June 24	4.14	Aug. 25	2.08
						Sep. 1	0.35

DEPOT LAKE -- McCARTHY LAKE

Location: Between the outlet of Depot Lake and the inlet to McCarthy Lake; just off Hwy. 108, about 6 miles south of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 13	75.05	Aug. 6	13.00
				June 21	96.36	Aug. 16	24.88
						Aug. 26	83.42
						Sep. 1	100.21

DUNLOP LAKE AT HWY. 108

Location: At the bridge over the outlet to Dunlop Lake on Hwy. 108 about 6 miles north of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 14	58.17	Aug. 9	7.65
				June 27	57.35	Aug. 25	7.92
						Sep. 1	6.34
						Sep. 6	6.46

GERMAN MILLS CREEK BELOW RICHMOND HILL

Location: At the bridge on 16th Avenue, about 0.3 mile east of Hwy. 11.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Nov.11	3.08	Feb. 1	2.85	Apr. 6	4.06	July 27	1.77
Dec. 1	3.63	Feb.23	2.74	Apr.21	5.07	Aug. 18	2.10
Dec.17	4.15					Aug. 29	3.42
						Sep. 9	2.34
						Sep. 29	2.38

GRAHAM CREEK AT NEWCASTLE

Location: At the concrete bridge on Mill Street South, about 0.5 mile south of the Hwy. 401 overpass in the Village of Newcastle.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Nov.11	17.08	Feb. 2	8.88	May 5	13.30	July 29	2.39
Nov.30	37.20	Feb.22	12.10			Aug. 17	5.75
Dec.17	26.20	Mar.23	83.80			Sep. 20	3.14

HOLLAND RIVER ABOVE AURORA

Location: At the concrete bridge on Hwy. 11 about 0.6 mile above St. Andrews College, Aurora.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Oct. 13	3.76	Feb. 1	8.46	Apr. 6	10.66	July 7	3.14
Nov. 11	6.02	Feb. 23	6.43	Apr. 21	14.43	July 27	1.62
Dec. 1	10.51			May 17	9.24	Aug. 18	2.93
Dec. 17	11.22					Aug. 29	4.30
						Sep. 9	7.81
						Sep. 29	4.84

HOUGH LAKE -- PECORS LAKE

Location: Between the outlet of Hough Lake and the inlet to Pecors Lake about 7.5 miles due east of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 17	43.76	Aug. 31	13.02
				June 23	39.28		

MOIRA RIVER AT BELLVILLE

Location: At the footbridge above Hwy. 2 in the City of Belleville.

Gauge: Wire weight.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
						July 29	18.93
						Aug. 10	23.98
						Sep. 22	53.41

PIKE CREEK NEAR ELMSTEAD

Location: At the CPR bridge in the Hamlet of Elmstead.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
						July 18	0.00
						Aug. 24	1.31
						Sep. 26	0.00

PRONTO MINES TAILINGS

Location: At the Hwy. 17 bridge over the outlet to Pronto Mines tailings area, about 2 miles west of the Hamlet of Spragge.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 9	7.36	Aug. 5	1.98
				June 20	0.55	Aug. 15	2.40
				June 27	0.40	Aug. 26	2.56
						Aug. 31	1.41
						Sep. 7	2.76
						Sep. 28	2.44

ROCHESTER CREEK ABOVE QUIRKE LAKE

Location: At the mouth of Rochester Creek about 8 miles north-east of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 17	41.96	Aug. 11	2.65
				June 27	33.72	Aug. 30	12.88
				June 30	20.59		

SALEM CREEK AT COLBORNE

Location: 500 ft. upstream from the wooden bridge on Blyth Road about 1.5 miles southeast of the Village of Colborne.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
Nov. 9	6.86	Feb. 2	7.79	May 5	5.42	July 29	4.05
Dec.17	6.30	Feb.22	4.63			Aug. 17	4.98
		Mar.23	11.13			Sep. 23	5.55

SERPENT RIVER EAST OF HWY. 108

Location: At the narrows about 1 mile downstream from Consolidated Dennison Mine, 8 miles north of Elliot Lake townsite.

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
						Aug. 9	11.83
						Aug. 29	11.39
						Sep. 6	2.25

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 28	52.35	Aug. 12	30.84
						Aug. 30	14.22
						Sep. 28	65.22

SHERIFF CREEK AT HWY. 108

Gauge: Staff.

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
				June 9	14.08	Aug. 16	7.52
				June 24	5.14	Aug. 26	1.54
						Sept. 1	0.89
						Sept. 30	18.05

1965		1966					
Oct. to Dec.		Jan. to Mar.		Apr. to June		July to Sept.	
Date	cfs	Date	cfs	Date	cfs	Date	cfs
						Sep. 15	6.94
						Sep. 29	10.80

Appendix I

The list below shows the distribution of observations according to drainage basin for those basins in which 10 or more observations were made in 1963.

The data are on file and enquiries concerning such data should be directed to the Supervisor of the Hydrologic Data Branch.

Streamflow Observations

1963

Basin	No of observations	Basin	No of observations
Big Creek	323	Humber River	131
Big Otter Creek	320	Kettle Creek	94
Bowmanville Creek	30	Lynde Creek	23
Bronte Creek	30	Lynn River	252
Catfish Creek	81	Nanticoke Creek	152
Clear Creek	24	Oshawa Creek	19
Credit River	21	Oakville Creek	80
Dedrich Creek	143	Redhill Creek	16
Don River	147	Rouge River	42
Duffin Creek	52	Silver Creek	24
Etobicoke Creek	54	South Otter Creek	69
Forty Mile Creek	10	Spencer Creek	42
Ganaraska River	34	Stoney Creek	12
Graham Creek	12	Sydenham River	60
Grand River	202	Thames River	29
Grindstone Creek	15	Twenty Mile Creek	29
Harmony Creek	22	Wilmot Creek	18
Hay Creek	17	Young Creek	35
Holland River	25	Other drainage basins	169

Appendix 2

The list below shows the distribution of observations according to drainage basin for those basins studied in 1964.

The data can be found in the Ontario Water Resources Commission publication entitled "Synoptic Water Resources Survey in Southern Ontario 1964-1965" or may be obtained on request from the Supervisor of the Hydrologic Data Branch.

Streamflow Observations

1964

Basin	No of observations	Basins	No of observations
Bear Creek	68	Graham Creek	22
Big Otter Creek	99	Grindstone Creek	16
Black Creek	24	Holland River	83
Black Creek	36	Lynn River	57
Black River	64	Nanticoke Creek	53
Bronte Creek	103	North River	44
Brown Creek	16	Oakville Creek	53
Catfish Creek	55	Schomberg River	34
Castor River	43	Scotch River	40
Cobourg Brook	45	South Otter Creek	16
Coldwater River	62	Sturgeon River	28
Forty Mile Creek	20	Twenty Mile Creek	51
Gage Creek	12	Upper South Nation	
Ganaraska River	110	River	72
		Welland River	30
		Young Creek	23

Appendix 3

ABBREVIATIONS

cfs	cubic feet per second
CPR	Canadian Pacific railway



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